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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/10283

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08F10/00 C08F4/24 C08F4/69 B01J19/00 C07B61/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F B01J C07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/017617 A1 (BRENNER ARMIN ET AL) 14 February 2002 (2002-02-14) claims 1,9-11,19-21,25 page 5, paragraph 80 - paragraph 83 page 5, paragraph 90 - paragraph 92 page 6, paragraph 93 page 3, paragraph 41 -----	1-6
A	WO 01 44801 A (DAHL IVAR M ;KARLSSON ARNE (NO); WENDELBO RUNE (NO); AKPORIAYE DUN) 21 June 2001 (2001-06-21) cited in the application claims 1,2,4 page 4, paragraph 3 -page 5, paragraph 1 -----	13-18
A	US 6 417 422 B1 (LIU YUMIN) 9 July 2002 (2002-07-09) example 1 -----	1

Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
16 January 2004	29/01/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Fischer, B

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2003/10283

Patent document cited in search report	Publication date		Patent family member(s)		Publication date
US 2002017617	A1	14-02-2002	DE 10004816 A1 AU 3169601 A WO 0157498 A1 EP 1175610 A1 JP 2003521705 T		09-08-2001 14-08-2001 09-08-2001 30-01-2002 15-07-2003
WO 0144801	A	21-06-2001	US 6627445 B1 AU 2049401 A CA 2393956 A1 EP 1238272 A2 NO 20024764 A WO 0144801 A2		30-09-2003 25-06-2001 21-06-2001 11-09-2002 03-10-2002 21-06-2001
US 6417422	B1	09-07-2002	US 6436871 B1 US 6355854 B1 US 2002055664 A1 AU 3601900 A CA 2363035 A1 EP 1153005 A1 WO 0048971 A1 US 2001025129 A1		20-08-2002 12-03-2002 09-05-2002 04-09-2000 24-08-2000 14-11-2001 24-08-2000 27-09-2001